

Mint of the United States at Philadelphia, Pa.

COINER'S DEPARTMENT.

May 31st, 1886.

Hon Daniel M. Fox
Superintendent

Sir:

In accordance with your request of the 15th inst, I have the honor to report that the following repairs and renewals are necessary in this Department, and can be made during the cessation of work incident to the annual Settlement.

The Coining Room.

Coining Press No 4. Wants two new Beam Pins to put it in good condition, and No 6. Coining Press a new Ball and cup, - the metal in the Ball & cup now in use in the latter Press appears to be soft and not reliable, new ones to take their place are now in course of completion by our machinists. The Balance at the

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the Southern end of this room from its constant use demanded by the large Silver Coinage is not to be trusted to check the Gold and Silver workings of the Department, - a stronger and more accurate Balance is needed - and this want will be supplied when the present one employed, is replaced by the large Balance that formerly occupied this place, and now being repaired at your suggestion by the Scale maker in the Mint, doing away with the necessity of a new one, thereby saving \$1,200. to the government.

The frame work of the Counting table should be strengthened, and new wooden tops are required, so as to give an even surface for the proper counting of the coin for delivery.

The board tops on the two tables at the northern end of the room used for selecting blanks, are much worn, and

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and new ones are necessary. The walls and ceiling needs painting, which would greatly improve the appearance of the room.

The Rolling Room.

The machinery having been in operation for two years without overhauling to any extent, it will be necessary to take the worn rolls from the housings or arched, thoroughly clean the clocks and wedges, and afterwards place in position reground rolls, giving a smooth face, that will be capable of rolling stripes for any denomination of coin.

The Draw benches require looking after, the chains taken out and inspected, as well as the carriages on the tables, so as to provide for any defect that may be in them. as upon their good condition much depends in furthering the work.

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The cutting presses are in fair condition, new blocks of wood would be an advantage on the Bed plates to prevent planchets from being lost down the belt holes to the cellar below. The straps on the connecting rods are liable to break at any time, and duplicates should be had in view of these giving out.

It is essential for the advancement of the work in the coming year, that the annealing furnace, to anneal strips in, be thoroughly overhauled and rebuilt if found necessary, refitted with new cast iron resting plates, which we have on hand, new damper plates &c

Whitening Room.

The drainage from the Wash Basin at the N. E. Corner of the Coining room used for washing dikes, runs exposed

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across the floor of the room to the outlet beyond, then it could run into the drain direct through a pipe under the floor and ^{thus} relieve the occupants of this room of the unpleasant smell arising from this source during the hot weather.

That part of the floor where the acid tubs rest upon sheet lead at the north end of the room, requires the attention of the Plumber to prevent the acid water from leaking through to the room below. The Steam Pipes are also out of repair.

It is necessary on some occasions, due to the state of the work, to run the Riddle to dry the blanks with saw dust in the whitening room, after other parts of the work is finished. Which uses the same Engine No 3. and the expense of running No 3 Engine only for this purpose, would be saved, if the shafting that

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that runs the riddle was made to connect with that driven by No 2 Engine, which of necessity runs late to operate the Hoisting machine. To supply the adjusting room with blanks, and the outlay made to save this needless expense could be made up in a short time in extra wages and fuel, and it would cost to make the alteration about \$45.

In the
Adjusting Room

the scales appear to be in good condition, - the room should be thoroughly cleaned, and the walls freshened with paint.

The Hoisting Machine

that carries the blanks to and from the adjusting room requires looking after, - the wire rope examined and the platform of the carriage

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provided with a new floor.

The asphalt pavement on the east side of the Court yard is broken in several places, and wants repairing. We are required to haul heavy car loads of sugar across it, and in its present condition, an upset may occur. About ten (\$10) dollars would cover this expense.

It would contribute to the convenience of handling the heavy car loads of coin in No 1. Vault, if the floor was lined with sheet iron similar to that in No 3. - the asphalt floor is worn in some places which makes it difficult to move the cars across it, and to make the improvement the iron would cost between twenty and twenty five dollars.

These are the repairs that are necessary, so far

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as can be ascertained at present, and can be done by our own men detailed for the purpose at an expense for the material required, and if it be found that upon taking the machinery apart other things require attention, it will be reported.

Very Respectfully,
Your Obedt Servant
W. A. Steel
Coiner

Mint of the United States at Philadelphia, Pa.,
Coiner's Department,
May 31, 1886

Hon. Daniel M. Fox
Superintendent

Sir:

In accordance with your request of the 15th inst., I have the honor to report that the following repairs and renewals are necessary in this Department, and can be made during the cessation of work incident to the Annual Settlement.

The Coining Room.

Coining Press No. 4, Wants two new Beam pins to put it in good condition, and No. 6. Coining Press a new Ball and cup, - the metal in the Ball & Cup now in use in the latter press appears to be soft and not reliable, new ones to take their place are now in course of completion by our machinists. The Balance at the Southern end of this room from its constant use demanded by the large Silver Coinage is not to be trusted to check the Gold and Silver workings of the Department, - a stronger and more accurate Balance is needed - and this want will be supplied when the present one employed, is replaced by the large Balance that formerly occupied this place, and now being repaired at your suggestion by the Scale maker in the Mint, doing away with the necessity of a new one, thereby saving \$1,200. to the Government.

The frame work of the counting table should be strengthened, and new wooden tops are required, so as to give an even surface for the proper counting of the coin for delivery.

The board tops on the two tables at the Northern end of the room used for Selecting blanks, are much worn, and new ones are necessary. The walls and ceiling needs painting, which would greatly improve the appearance of the room.

The Rolling Room.

The machinery having been in operation for two years without overhauling to any extent, it will be necessary to take the worn rolls from the housings or arches, thoroughly clean the clocks and wedges, and afterwards place in position reground rolls, giving a smooth face, that will be capable of rolling strips for any denomination of coin.

The Draw benches require looking after, the chains taken out and inspected, as well as the carriages on the tables, so as to provide for any defect that may be in them, as upon their good condition much depends in furthering the work.

The cutting presses are in fair condition, new blocks of wood would be an advantage on the Bed plates to prevent planchets from being lost down the belt holes to the cellar below. The

straps on the connecting rods are liable to break at any time, and duplicates should be had in view of these giving out.

It is essential for the advancement of the work in the coinage year, that the annealing furnaces, to anneal strips in, be thoroughly overhauled and rebuilt if found necessary, refitted with new cast iron resting plates, which we have on hand, new damper plates &c.

Whitening Room.

The drainage from the wash basin at the N.E. corner of the coining room used for washing dishes, runs exposed across the floor of the room to the outlet beyond, when it could run into the drain direct through a pipe under the floor and thus relieve the occupants of this room of the unpleasant smell arising from this source during the hot weather.

That part of the floor where the acid tubs rest upon sheet lead at the north end of the room, requires the attention of the Plumber to prevent the acid water from leaking through to the room below. The steam pipes are also out of repairs.

It is necessary on some occasions, due to the state of the work, to view the Riddle to dry the blanks with saw dust in the Whitening room, after other parts of the work is finished which uses the same Engine No. 3 and the expense of running No. 3 Engine only for this purpose, would be saved if the shafting that runs the riddle was made to connect with that driven by No. 2 Engine, which of necessity runs late to operate the Hoisting machine to supply the Adjusting room with blanks, and the outlay made to save this needless expense could be made up in a short time in extra wages and fuel, and it would cost to make the alteration about \$45. In the

Adjusting Room

The scales appear to be in good condition. – the rooms should be thoroughly cleaned, and the walls freshened with paint.

The Hoisting Machine

That conveys the blanks to and from the adjusting room requires looking after. – the wire rope examined and the platform of the carriage provided with a new floor.

The asphalt pavement on the east side of the court yard is broken in several places, and wants repairing. We are required to haul heavy car loads of Ingots across it, and in its present condition an upset may occur, about ten (\$10) dollars would cover this expense.

It would contribute to the convenience of handling the heavy car loads of coin in No. 1 vault, if the floor was lined with sheet iron similar to that in No. 3, - the asphalt floor is worn in some places which makes it difficult to move the cars across it, and to make the improvement the iron would cost between twenty and twenty five dollars.

These are the repairs that are necessary, so far as can be ascertained at present, and can be done by our own men detailed for the purpose at an expense for the material required, and if it be found that upon taking the machinery apart, other things require attention, it will be reported.

Very Respectfully,
Your Obt. Servant,
W.S. Steel
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